

ARCS PROCEDURE:	LOADING A FILE INTO THE ZENO DATA LOGGER	PRO(DAQ)-002.000
Author: J. Zirzow		June 30, 1999 Page 1 of 6

## Loading a File into the Zeno Data Logger

### I. Purpose:

Describes the procedure to load a file into the Zeno data logger.

### II. Cautions and Hazards:

None.

### III. Requirements:

None.

### IV. Procedure:

Command	Comment
Press F10	Get out of the MACS software
cd c:\mirror	Go to the mirror directory
Place the .cfg file in the mirror directory	Options: If the program exists on floppy disk, then copy the file from floppy to the mirror directory.  Ex: copy b:\GND71209.cfg **REMEMBER the floppy drive is b:\  If the file exists in the mirror\loggers directory,  you need to copy the file the mirror directory.  Ex: copy loggers\GND71209.cfg
then	
mirror	Start the mirror program When files are read or written from the logger the files are stored in c:\mirror unless another complete path is specified (ie c:\mirror\loggers).
Select option 23 for Zeno logger	You will enter the term program for the Zeno logger. You will see a blinking cursor on the upper left hand corner.

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You can type 'mirror zeno' instead of the two previous commands. You will automatically enter the zeno logger term program.

Hit both shift keys at the same time

Temporarily suspend the emulator software to command the switch box to point to the desired logger. You will be back at the d:\mirror prompt after you hit both shift keys.

switch 0 x where x is  
0 for SMET  
1 for SKYRAD  
2 for GNDRAD

The 0 means latch the MACS computer  
ex: switch 0 0  
switch 0 1  
switch 0 2

Command	Comment
Press enter 2 times	The MACS control light should go on after the second enter. You will be back at the c:\mirror prompt. You will see 5 lines of text. The next to the last line should read 'Comm port open and ready.' The MACS control light being on means MACS is in control of the switch box instead of ADaM (ie ADaM can't receive any data from the loggers).

Hit both switch keys at the same time

Return to the mirror program with the blinking cursor in the upper left hand corner.

Press 'u' for the user menu This will bring up the Zeno logger User menu.

Press 'z' for the Zeno Program Menu

password = zeno

Enter the password. If entered correctly you will see the Zeno Program Menu.

Press 'l' for System Load Menu

You will see the option to Receive or Transmit. These are in relationship to the logger. R is from MACS to the logger (upload to logger) T is from the Logger to MACS (download from logger)  
You will need to place an 'x' in front of the 't' or 'r'

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for Xmodem transfer

Type 'xr'

You have the logger ready to receive data. Now you need to setup the mirror program to transfer the data.

You will see a Warning message and then a confirmation about deleting all the log data records. You need to answer 'y' to continue the process.

Command	Comment
Type 'Y'	Yes, you want to 'Delete Log Data Records'. You can continue on. Answering 'N' will abort the process.

You will now see a message about how all the records have been deleted. You can abort using CONTROL-C. You will also see lots on 'C' appearing on the screen. This is a timer. They are suppose to be there.

Press 'esc'

You now have the 'Command?' prompt in the lower left hand corner of the screen.

You are now ready to prepare the mirror program to receive the configuration file.

Here is a review of some mirror commands:

`rx filename' for xmodem download or receive file  
`xx filename' for xmodem upload or transfer file  
`ca filename' for ASCII capture  
`ca - ` to stop capture  
F1 - Help Feature

xx xxxymmdd.cfg

Where xxx = logger  
y = year  
mm = month  
dd = day  
ex: GND71209.cfg

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GND71209.cfg will be saved to d:\mirror,  
unless you specify the entire path name.  
For example: xx d:\mirror\loggers\GND71209.cfg

You will see a status box saying the file  
is being loaded. It may take a few seconds before  
anything appears to be happening in the box.  
The box will disappear when the transfer is done.

Press enter                      You will see the System Load Menu.

Type 'z' for Zeno Program      You will see the Zeno Program Menu appear.  
Menu

Command	Comment
Press 'E' for Save settings to EEPROM	You now need to burn the new configuration into EEPROM. If you don't perform this step, you will lose your configuration the next time the data logger has its power cycled.

You will see messages like:  
"Verifying Parameter to EEPROM"

...  
Total EEPROM writes: 41    Checksum 159

The Zeno Program Menu will be displayed when  
the task is complete.

\*\*\*\*\*Now you need to read the file back from the  
data logger.

\*\*\*\*\*You will need to pay attention to you file  
names here. We want to read the file  
back from the logger to ensure we wrote  
the correct file to EEPROM. You don't want  
to overwrite the file you just placed in EEPROM.  
You want to keep two separate files. The  
file you read back, you will place in the loggers  
directory.

Press 'I' for System Load      You will see the option to Receive or Transmit.  
Menu

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Type 'xt'                      You have the logger ready to transfer data. Now you need to setup the mirror program to receive the data.

Press 'esc'                    You now have the 'Command?' prompt in the lower left hand corner of the screen.

You are now ready to prepare the mirror program to receive the configuration file.

Command	Comment
rx xxxymmdd.cfg	Where xxx = logger y    = year mm   = month dd   = day ex: GND71209.cfg
	BE CAREFUL WITH FILE NAMES HERE. See the starred (*) note above.
	GND71209.cfg will be saved to d:\mirror, unless you specify the entire path name. For example: rx d:\mirror\loggers\GND71209.cfg
	You will see a status box saying the file is being received. The box will disappear when the transfer is done.

Press enter                    You will see the System Load Menu.

Type 'z' for Zeno Program Menu    You will see the Zeno Program Menu appear.

Type 'q' for quit Interface.'                    You will see the last line as 'Exiting user  
You have now exited the Zeno logger software

Press 'esc'                    You will get the 'Command?' prompt

Type 'qu'                      You will quit the mirror program and return to DOS.

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switch 1 0

This will latch the switch box back to ADaM.

Press enter 2 times

You will return to d:\mirror prompt.  
You will see 5 lines with the second to the last line being 'Comm port open and ready'.  
MOST important, you will see the MACS control light GO OFF. If the MACS control light is ON, then MACS is in control of the switch box and no data will flow to ADaM from the loggers.

move GND71209.cfg loggers

Move the configuration file into the loggers directory as backup. You can skip this task if you fully specified the path name during the 'rx'.

#### Command

#### Comment

copy loggers\GND71209.cfg b:\

Copy the configuration back to the floppy disk. You normally need to turn a copy of data logger configuration changes to the Operations Manager.

Press the 'RESET'  
resume

This will reboot MACS and it should  
button on MACS normal operation.

#### **V. References:**

None.

#### **VI. Attachments:**

None.